

CLAIMS:

What is claimed is:

1. A solid-state lamp comprising:
a base formed to be received into a socket, said base having a receptacle formed therein;
an axially extending support fitted into said base, said support being formed of an electrically conductive, heat-sinking material;
an electrically insulating coating on said support and electrically conductive traces on said insulating coating; and
a plurality of solid-state light sources formed on said support and electrically connected to said traces, at least two of said traces providing electrical connection to said base whereby electrical connection can be made to said socket; said plurality of solid-state light sources being formed in a selected area of said support.
2. The solid-state lamp of Claim 1 wherein the base receptacle includes a retainer receptacle formed therein; and the support includes a retainer engaging said retainer receptacle.
3. The solid-state lamp of Claim 1 wherein said support is U-shaped with the bight of said U being remote from said base.
4. The solid-state lamp of Claim 3 wherein said base has an axially extending core and said U-shaped support encompasses said core on at least two sides.
5. The solid-state lamp of Claim 1 wherein said base fits a pre-existing socket designed for a filamented lamp, and said plurality of solid-state light sources located on said support mimic the location of a filament in such a filamented lamp designed for such pre-existing socket.

6. The light source of claim 1 wherein said support is aluminum.
7. The solid-state lamp of Claim 1 wherein a light-transmitting envelope surrounds said light sources.
8. A method of making a solid-state lamp comprising the steps of:
forming a base including at least one retainer receptacle, said base including electrical contacts;
forming a planar, electrically conductive support;
applying an electrically insulating layer to at least one surface of said support;
applying a plurality of electrically conductive traces on said insulating layer;
applying one or more solid-state light sources in a selected area on said support in contact with said electrically conductive traces;
subsequently reshaping the support, and
inserting said reshaped support into said base and engaging at least some of said electrical traces with said electrical contacts.
9. The method of Claim 8 further including the steps of forming at least one retainer in said support and coupling said support to said base by said retainer.
10. The method of Claim 8 wherein the step of reforming the support includes bending the support in a region including at least a portion of the traces.
11. The method of Claim 8 further including the step of applying a light transmissive coating over at least a portion of said support and said solid-state light sources.
12. The method of Claim 8 further including the step of fitting a light-transmitting envelope over the light sources and at least a portion of the support.